



World Health
Organization

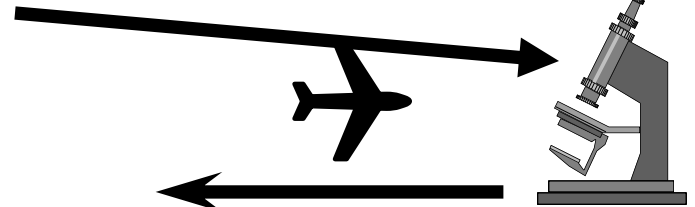
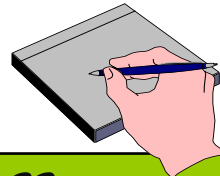
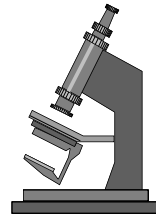
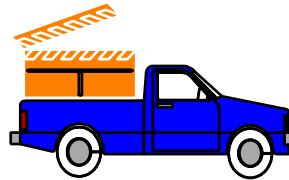
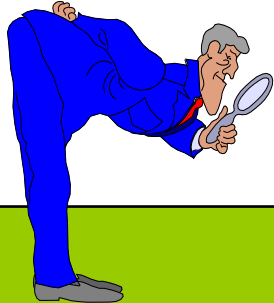


Republic of Sudan



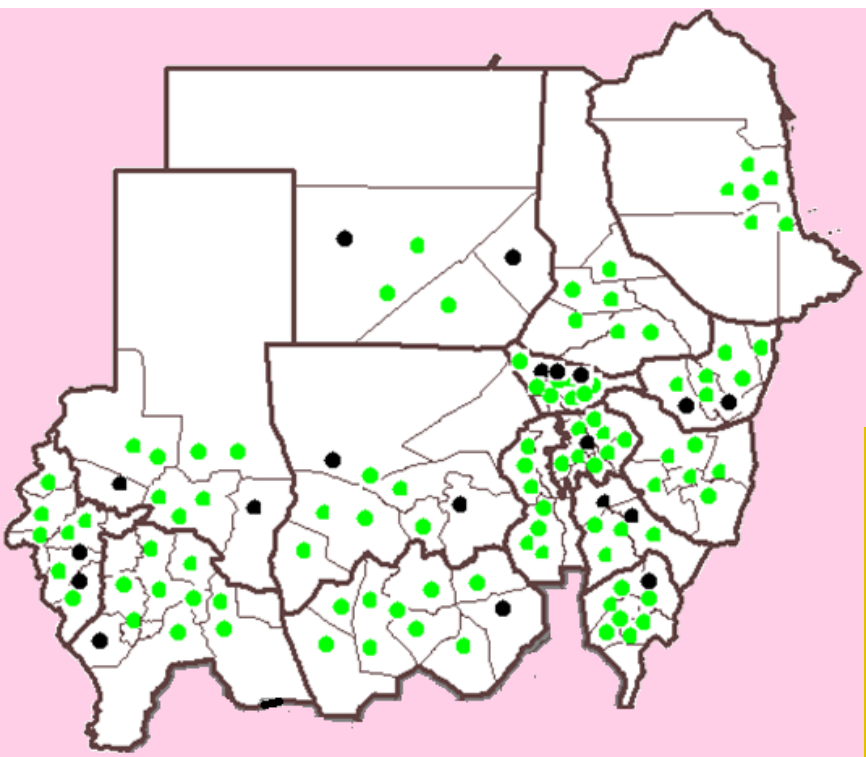
**Weekly AFP surveillance report
week 19**

Ending on 13 May 2012

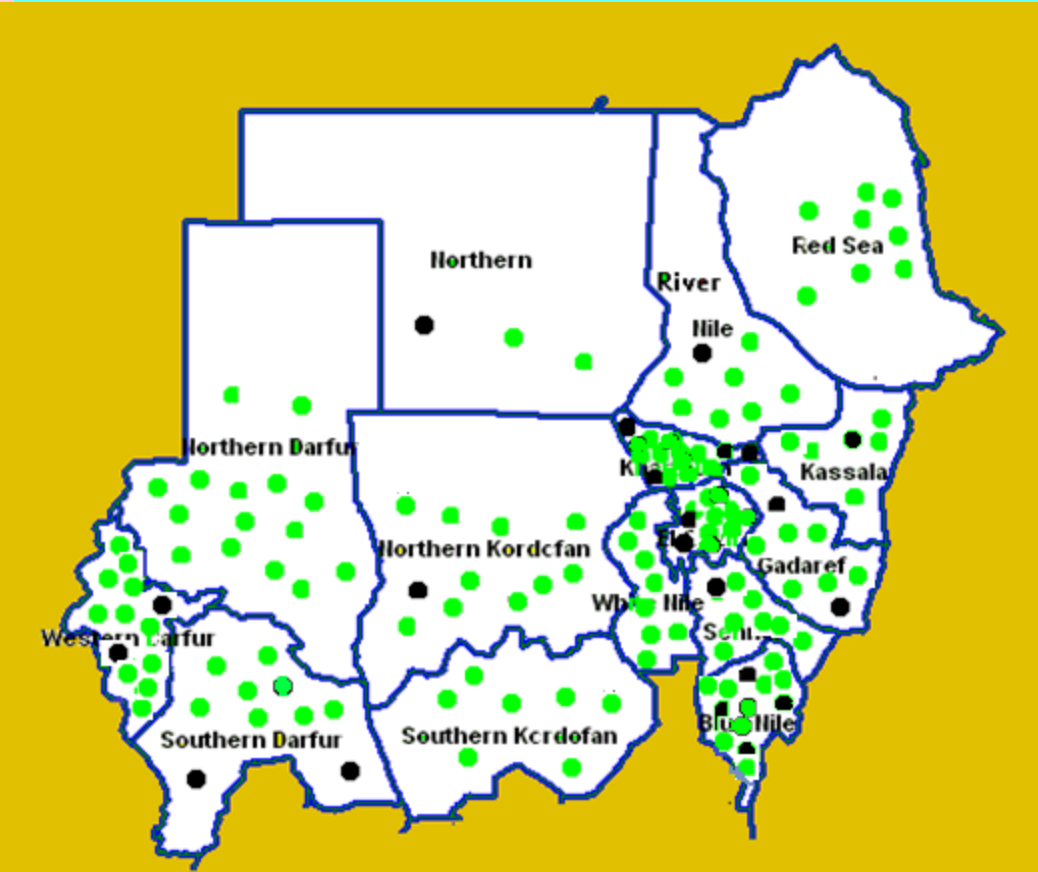


AFP Surveillance central unit

Map 1. Distribution of AFP cases by classification, Sudan, 2011*



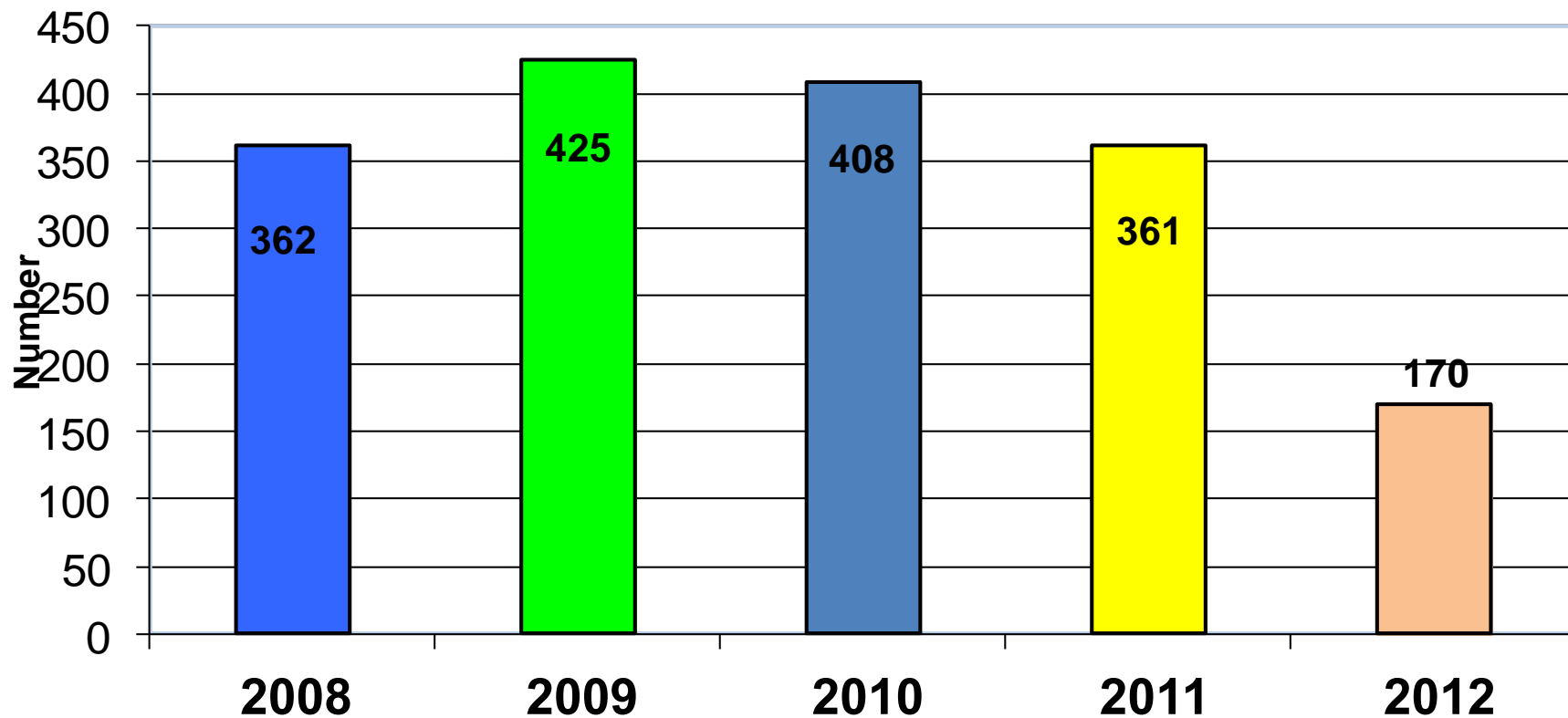
Map 2. Distribution of AFP cases by classification, Sudan, 2012*



● Non-polio AFP
● Pending classification

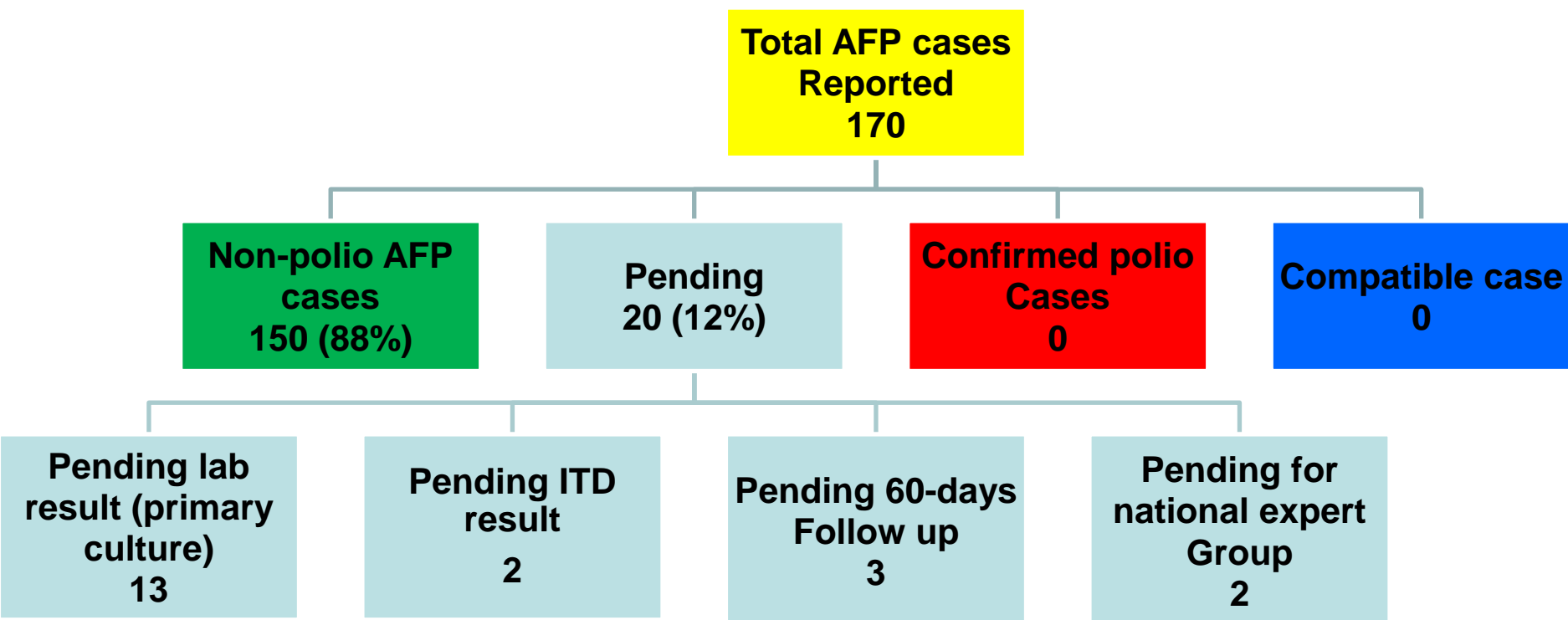
***Up to week 19**

**Fig. 1: Total AFP cases
Sudan, 2008-2012***



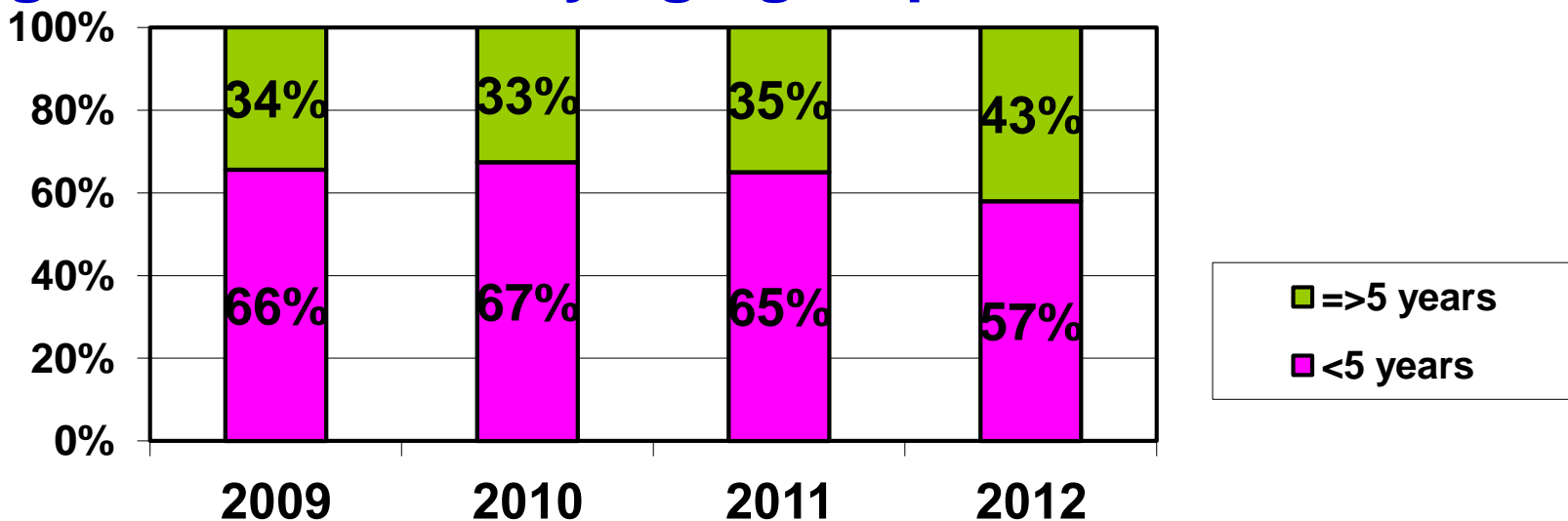
***Up to week 19**

Fig. 2: Total AFP cases by classification, Sudan, 2012*



***Up to week 19**

Fig. 3: AFP cases by age group, 2009 – 2012*



*Up to week 19

Fig. 4: AFP cases by sex 2009 – 2012*

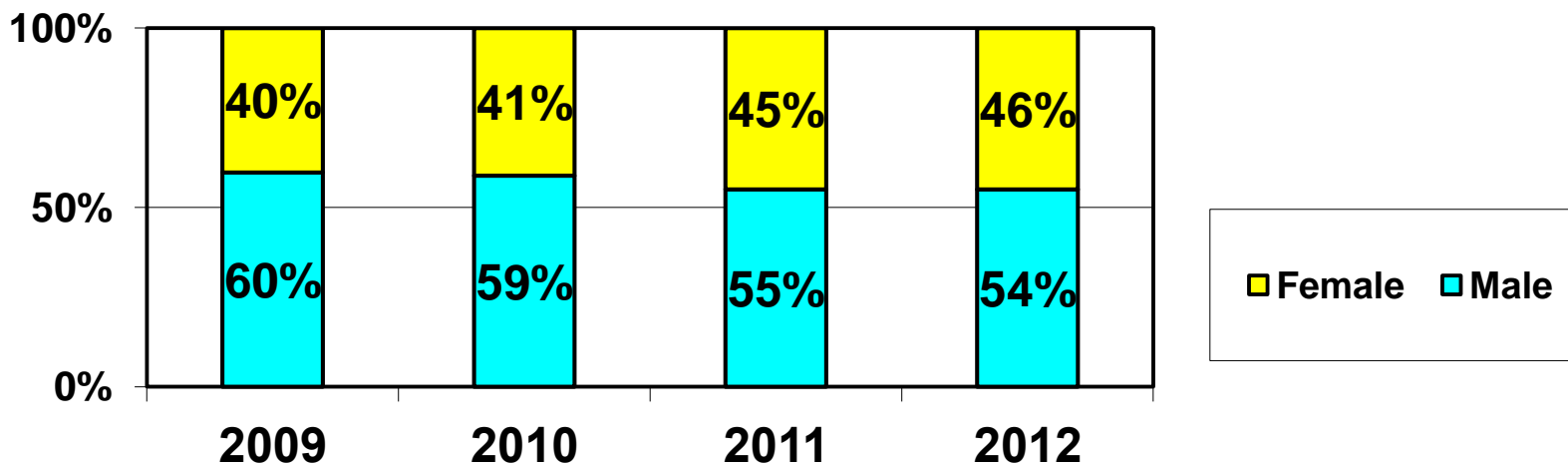


Fig. 5: Percent distribution of AFP cases by time of detection, 2011*

N = 127 AFP cases

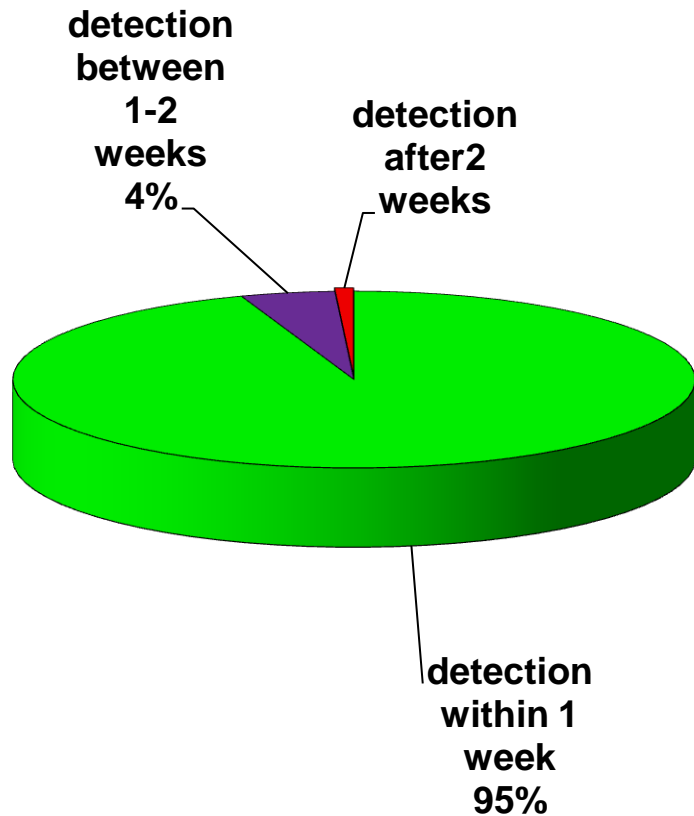
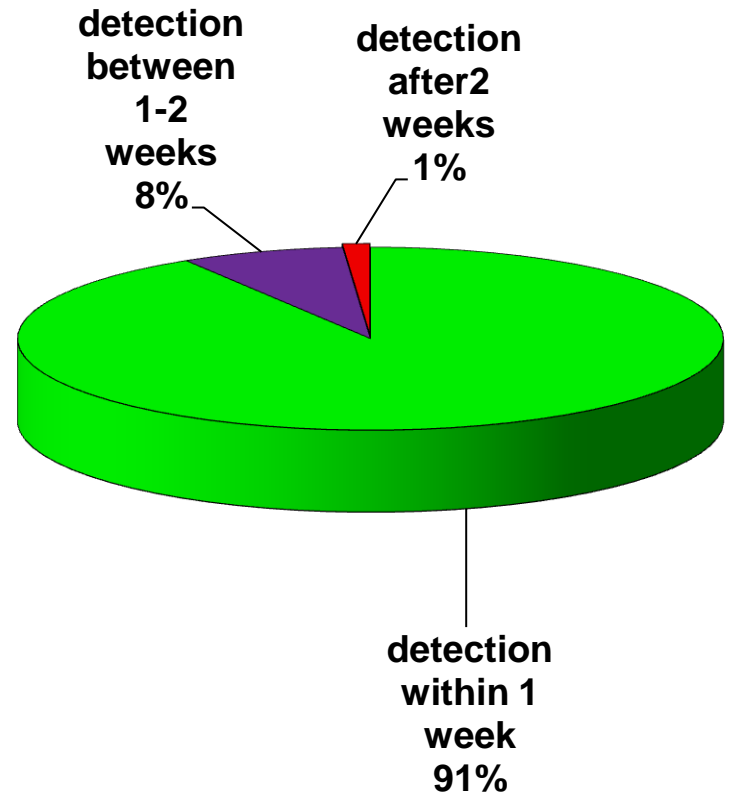


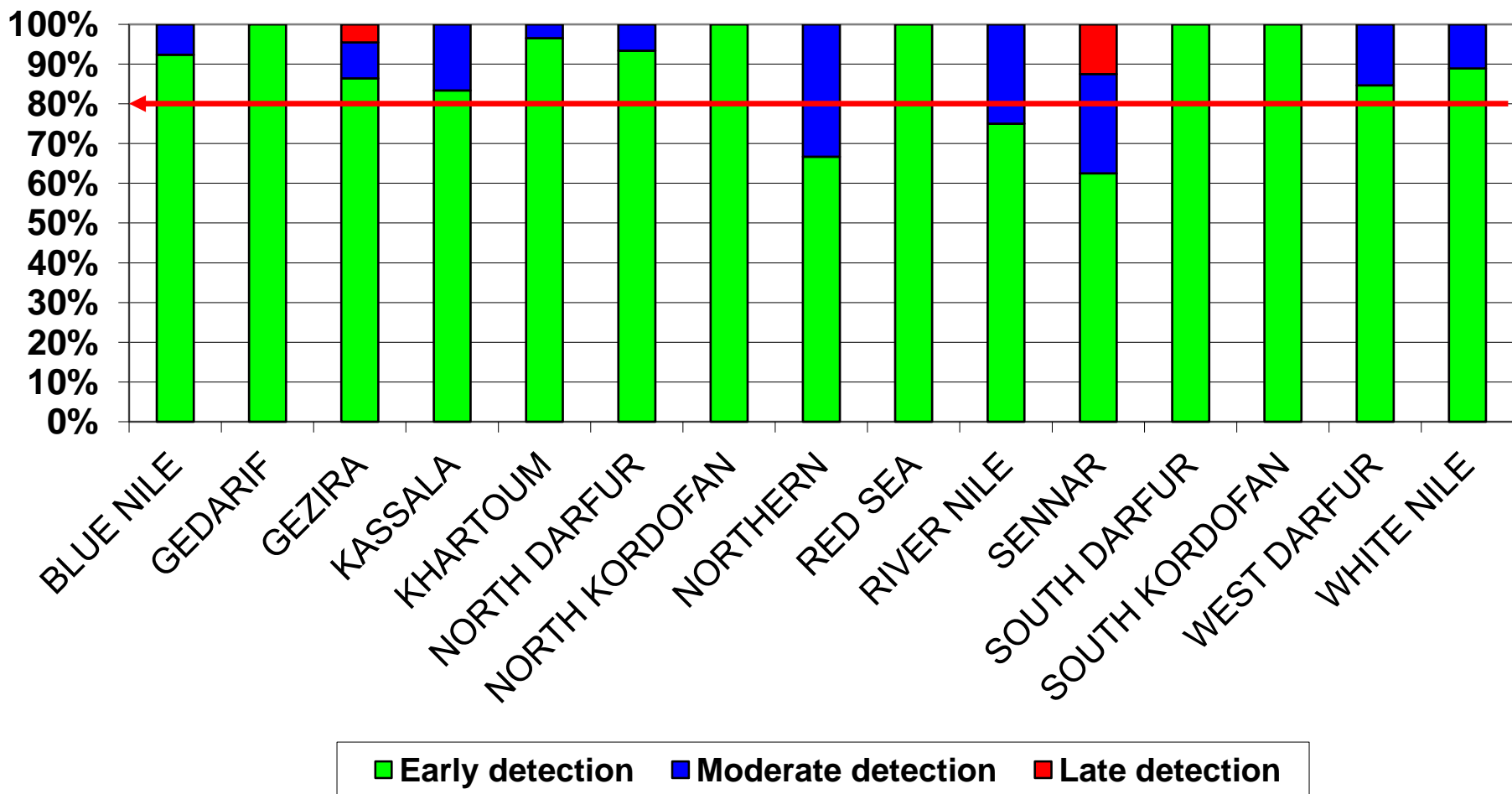
Fig. 6: Percent distribution of AFP cases by time of detection, 2012*

N = 170 AFP cases



***Up to week 19**

Fig. 7: Percent distribution of AFP cases according to the timeliness of detection by states, 2012*

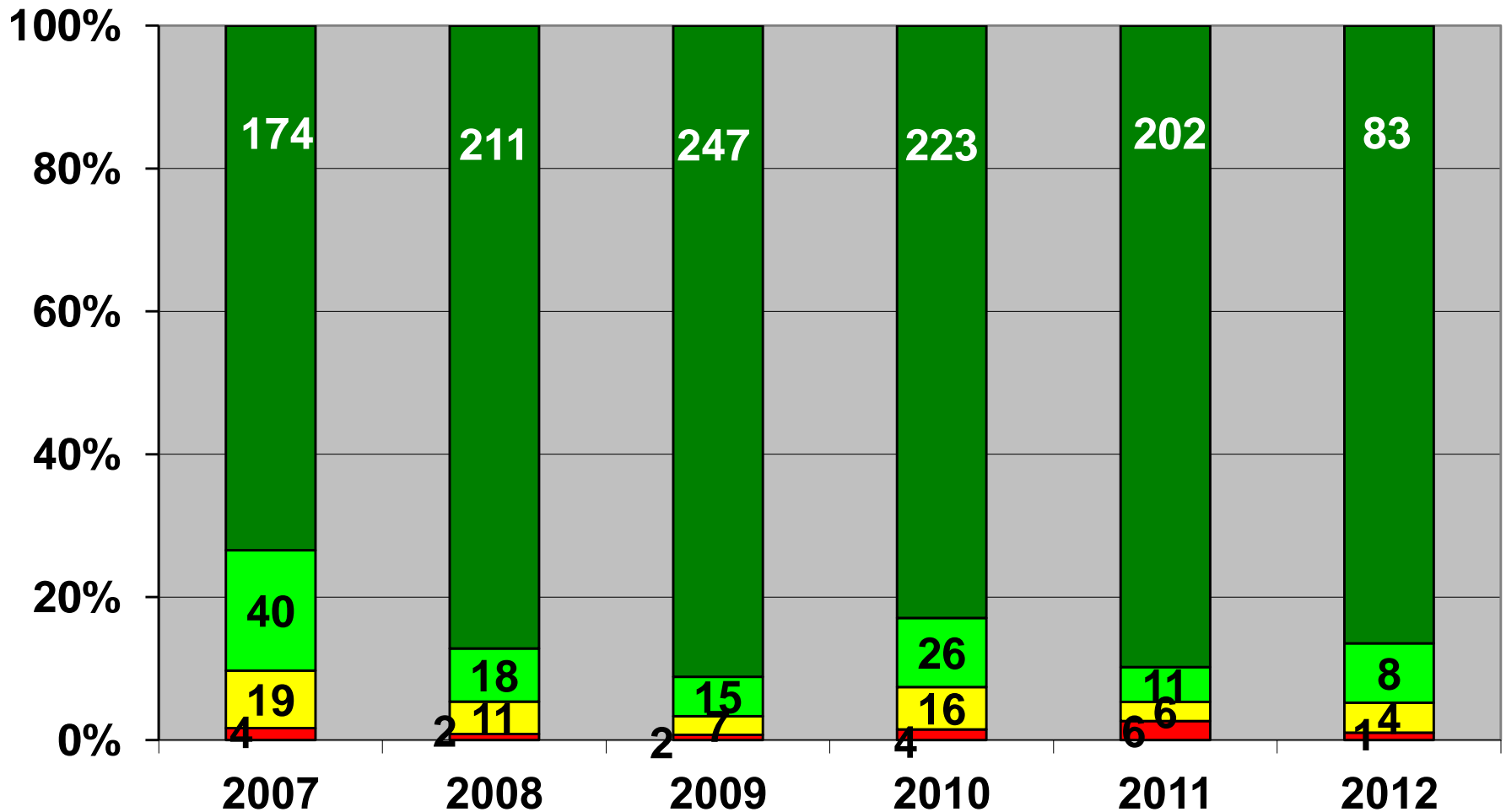


***Up to week 19**

Table 1. Major AFP surveillance performance indicators, up to week 19, 2012

State	U 15 yrs population	Total reported AFP cases	Non-polio AFP cases	Pending classification	Polio cases	Compatible cases	% Adequate stools	Annualized AFP rate	% NPEV
B. Nile	451,519	13	9	4	0	0	92%	7.9	22%
Gedarif	887,810	8	7	1	0	0	88%	2.5	14%
Gezira	1,974,675	22	20	2	0	0	95%	3.0	25%
Kasala	857,183	6	5	1	0	0	100%	1.9	20%
Khartoum	2,489,151	29	25	4	0	0	100%	3.2	16%
N.Darf	890,317	15	15	0	0	0	100%	4.6	13%
N.Kord	1,281,448	11	10	1	0	0	91%	2.3	20%
Northern	271,479	3	2	1	0	0	67%	3.0	50%
Red Sea	331,008	8	8	0	0	0	100%	6.6	0%
River Nile	470,091	8	7	1	0	0	100%	4.7	14%
Sennar	735,588	8	7	1	0	0	88%	3.0	29%
S.Darfur	1,806,686	10	8	2	0	0	90%	1.5	13%
S. Kord	974,048	7	7	0	0	0	100%	2.0	0%
W.Darfur	971,638	13	11	2	0	0	100%	3.7	27%
W. Nile	855,181	9	9	0	0	0	100%	2.9	22%
Total	15,247,822	170	150	20	0	0	96%	3.1	18%

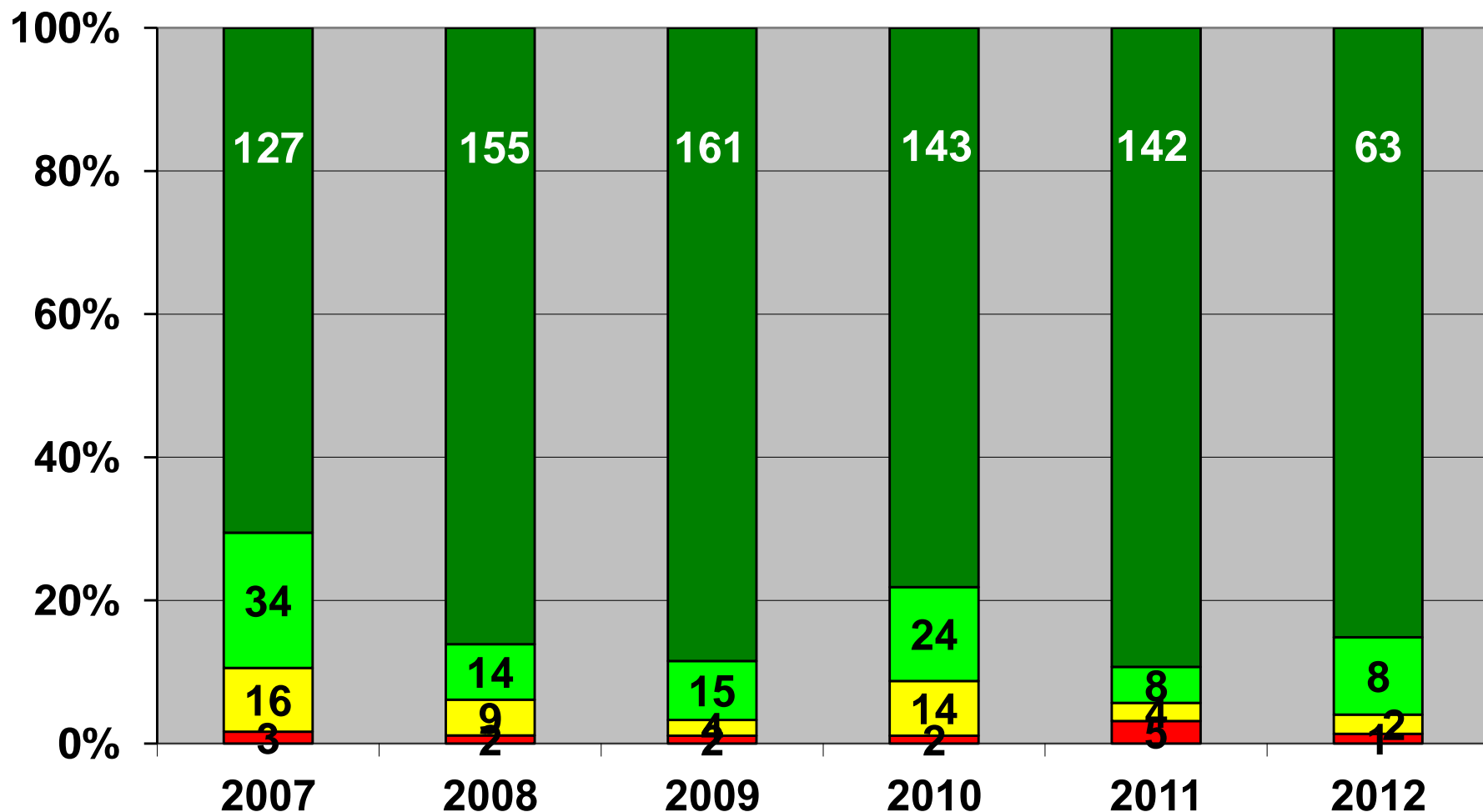
Fig. 8: Percent distribution of AFP cases 6-59 months by number of OPV doses, 2007-2012*



■ 0 OPV doses
 ■ '1-3 OPV doses
 ■ '4-6 OPV doses
 ■ 7+ OPV doses

***Up to week 19**

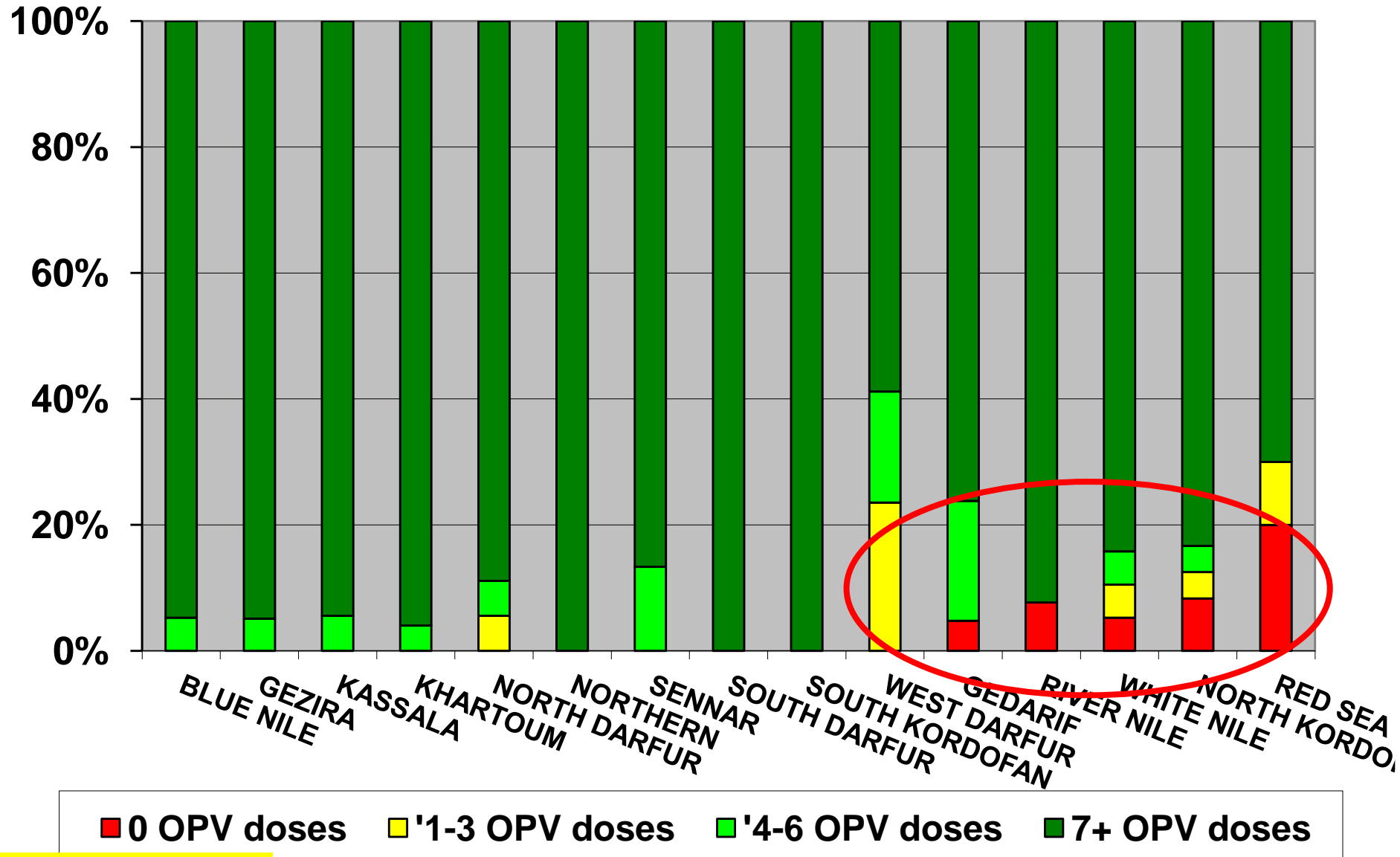
Fig. 9: No. & percent distribution of AFP cases 6-36 months by number of OPV doses, 2007-2012*



■ 0 OPV doses
 ■ '1-3 OPV doses
 ■ '4-6 OPV doses
 ■ 7+ OPV doses

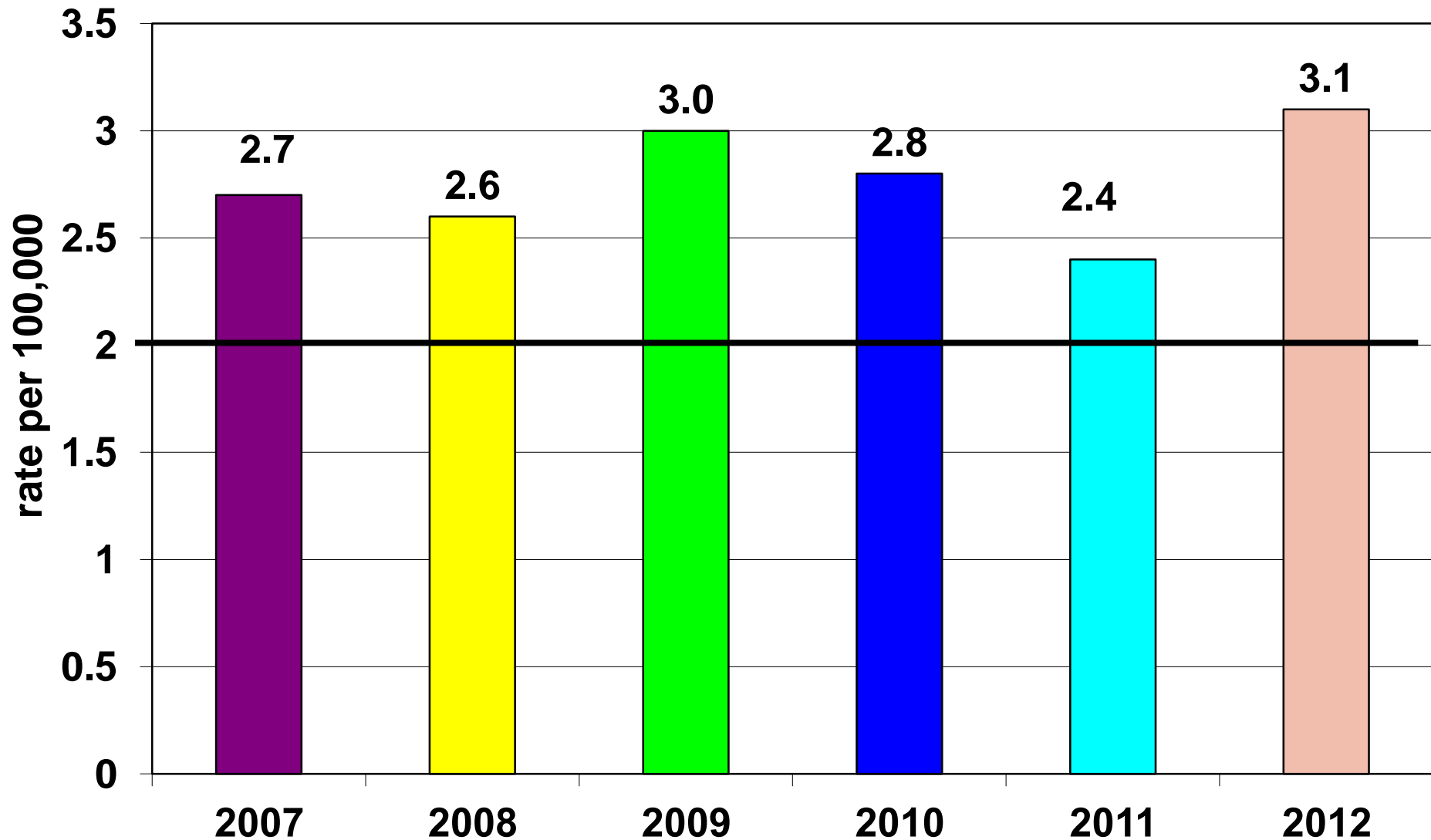
***Up to week 19**

Fig. 10: Percent distribution of AFP cases 6-59 months by number of OPV doses and states, 2011-2012*



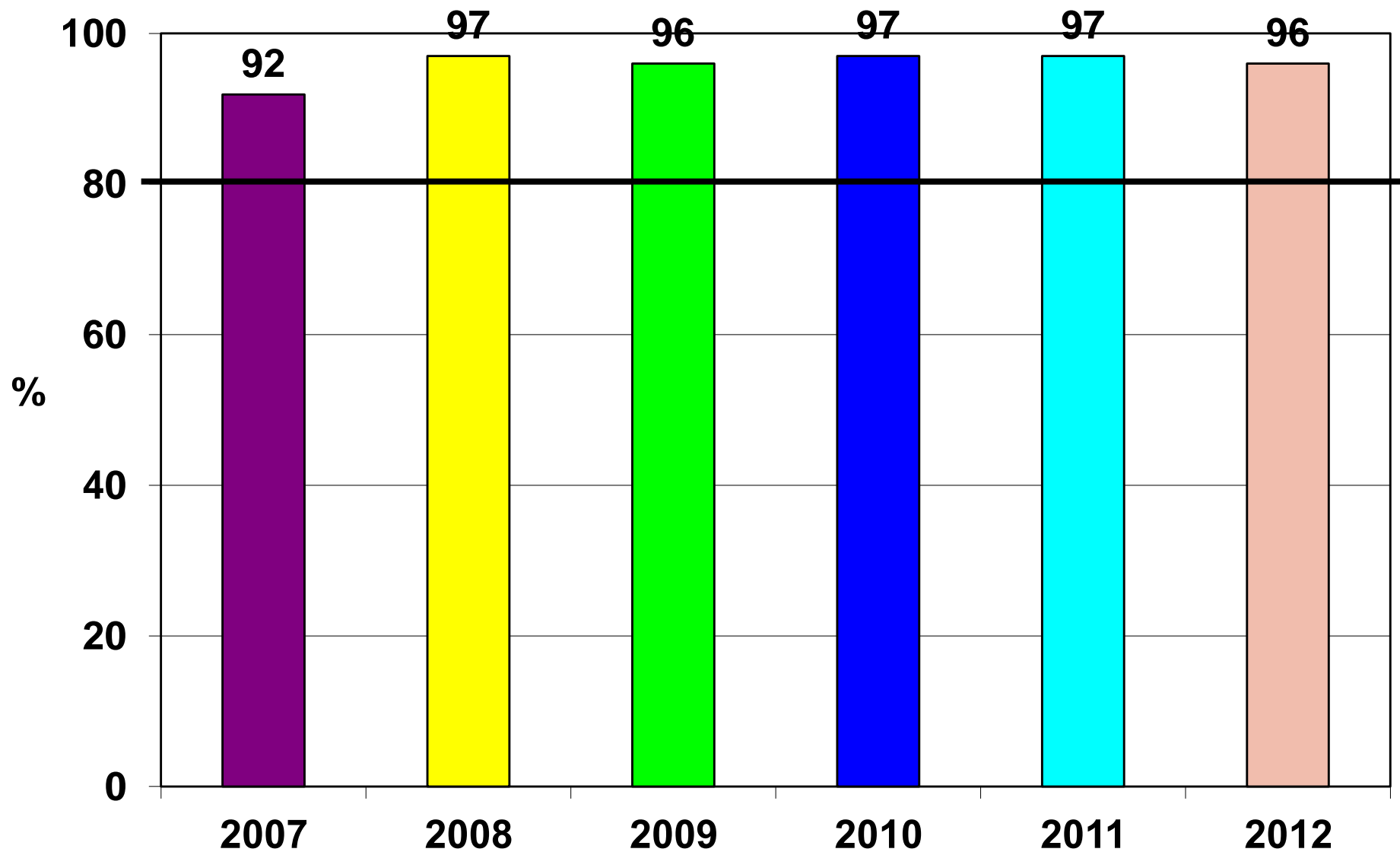
*Up to week 19

Fig. 11: Non-Polio AFP rate per 100,000 children under 15 years of age, 2007 – 2012*



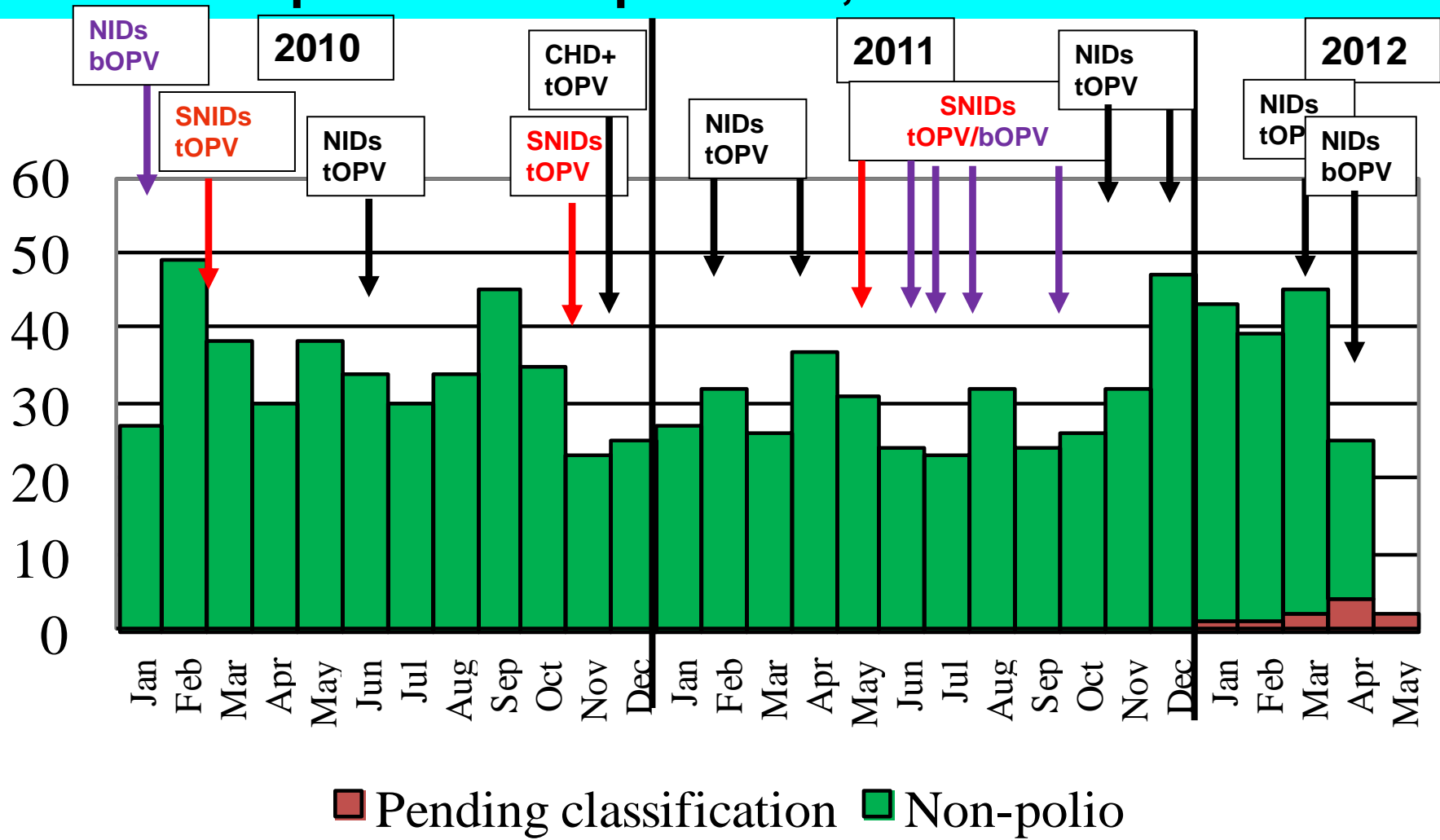
***Up to week 19**

Fig. 12: Adequate stool collection rate, 2007 – 2012*



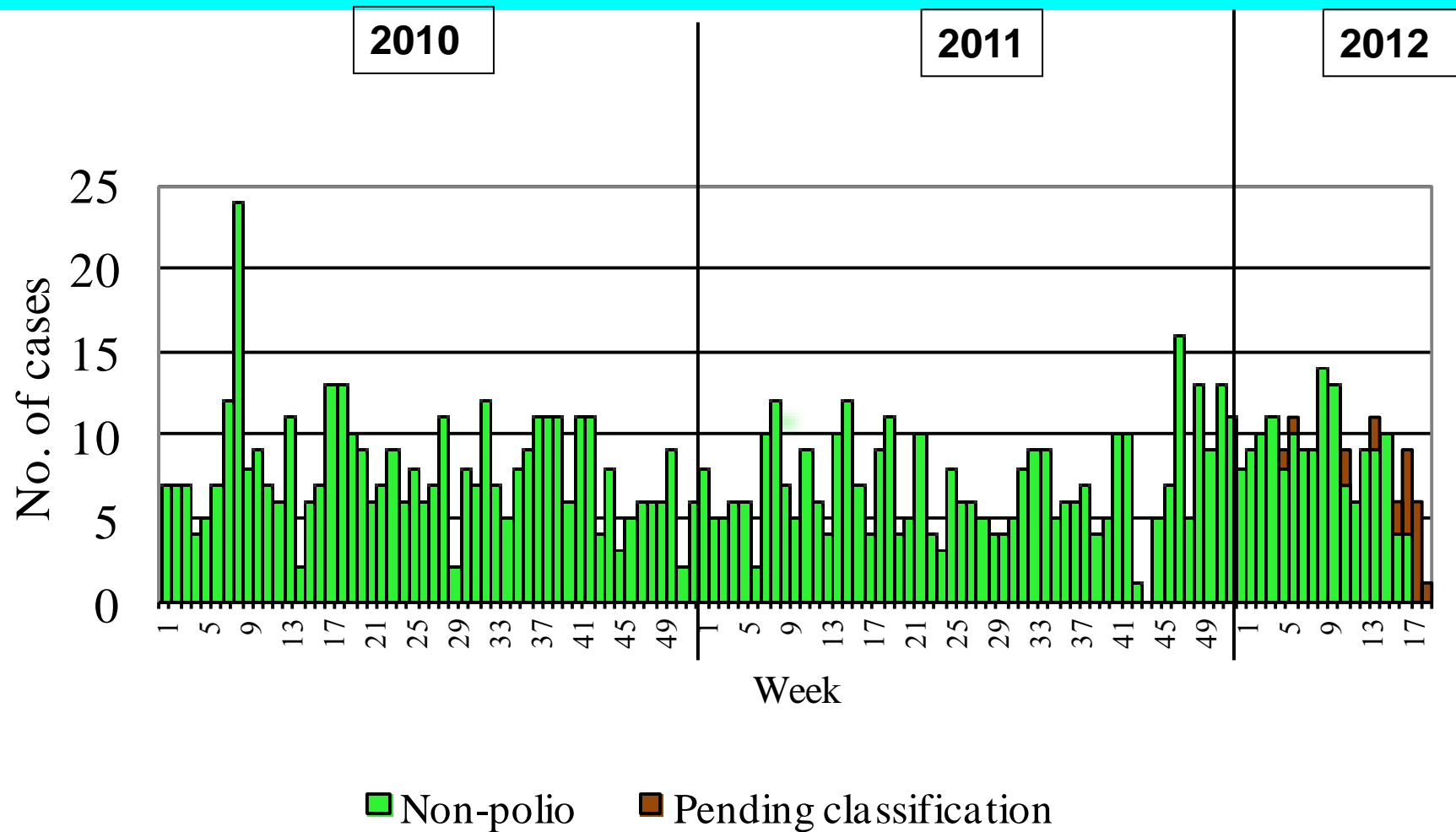
***Up to week 19**

Fig 13. Distribution of polio and non-polio AFP Cases by classification, month of onset & SIA response to the poliovirus importation, 2010-2012*



*Up to week 19

Fig 14. Distribution of polio and non-polio AFP Cases by classification, month of onset & SIA response to the poliovirus importation, 2010-2012*

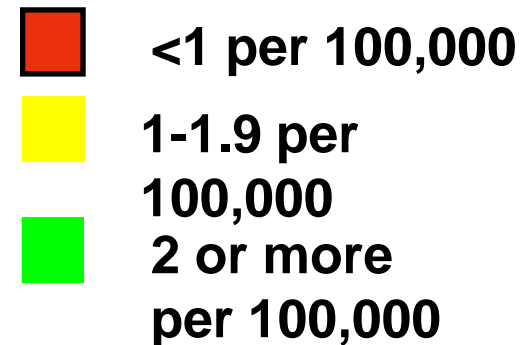
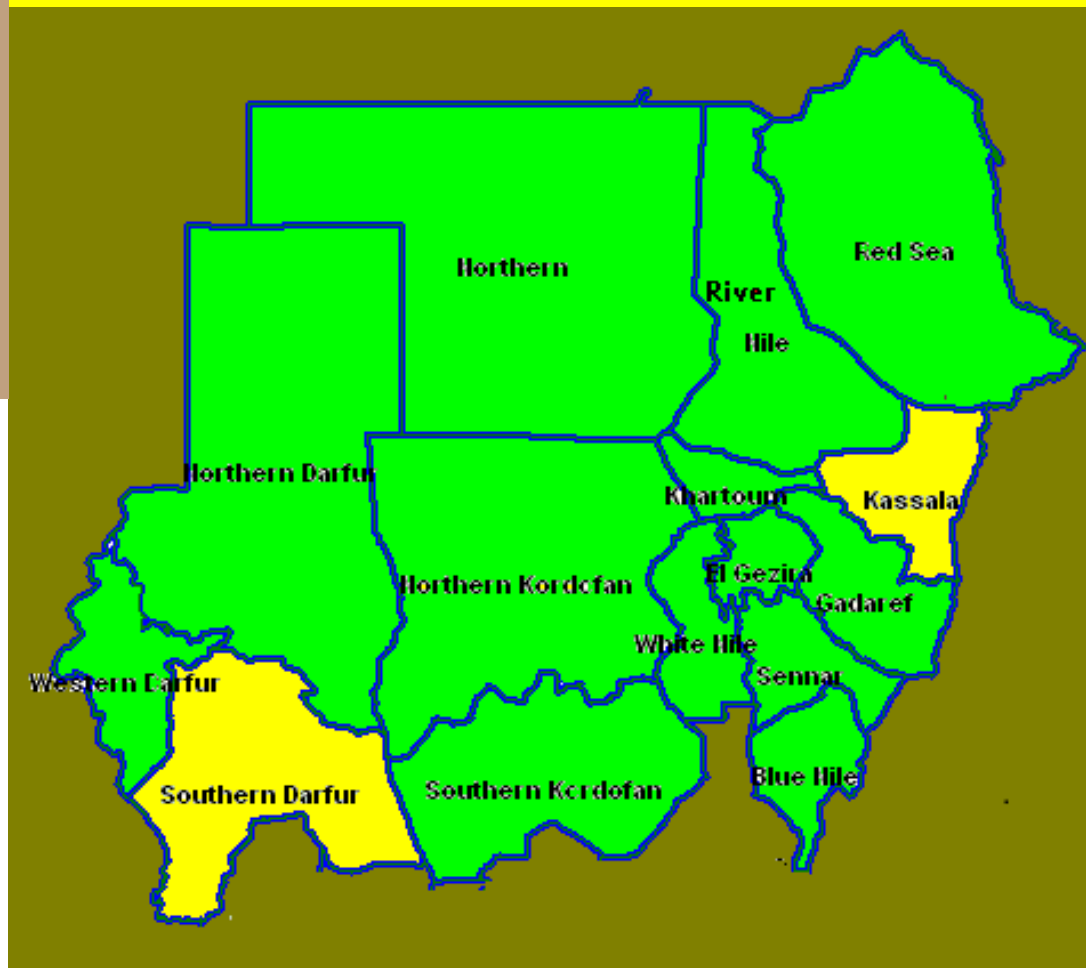


*Up to week 19

Map 3. Non-polio AFP rate by state, 2011 up to W19



Map 4. Annualized Non-polio AFP rate by state, 2012 up to W19



Map 5. Percent distribution of AFP cases having adequate stool samples by states, 2011 up to W19



Map 6. Percent distribution of AFP cases having adequate stool samples by state, 2012 up to W19

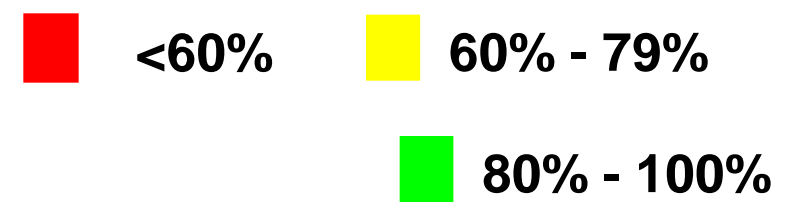


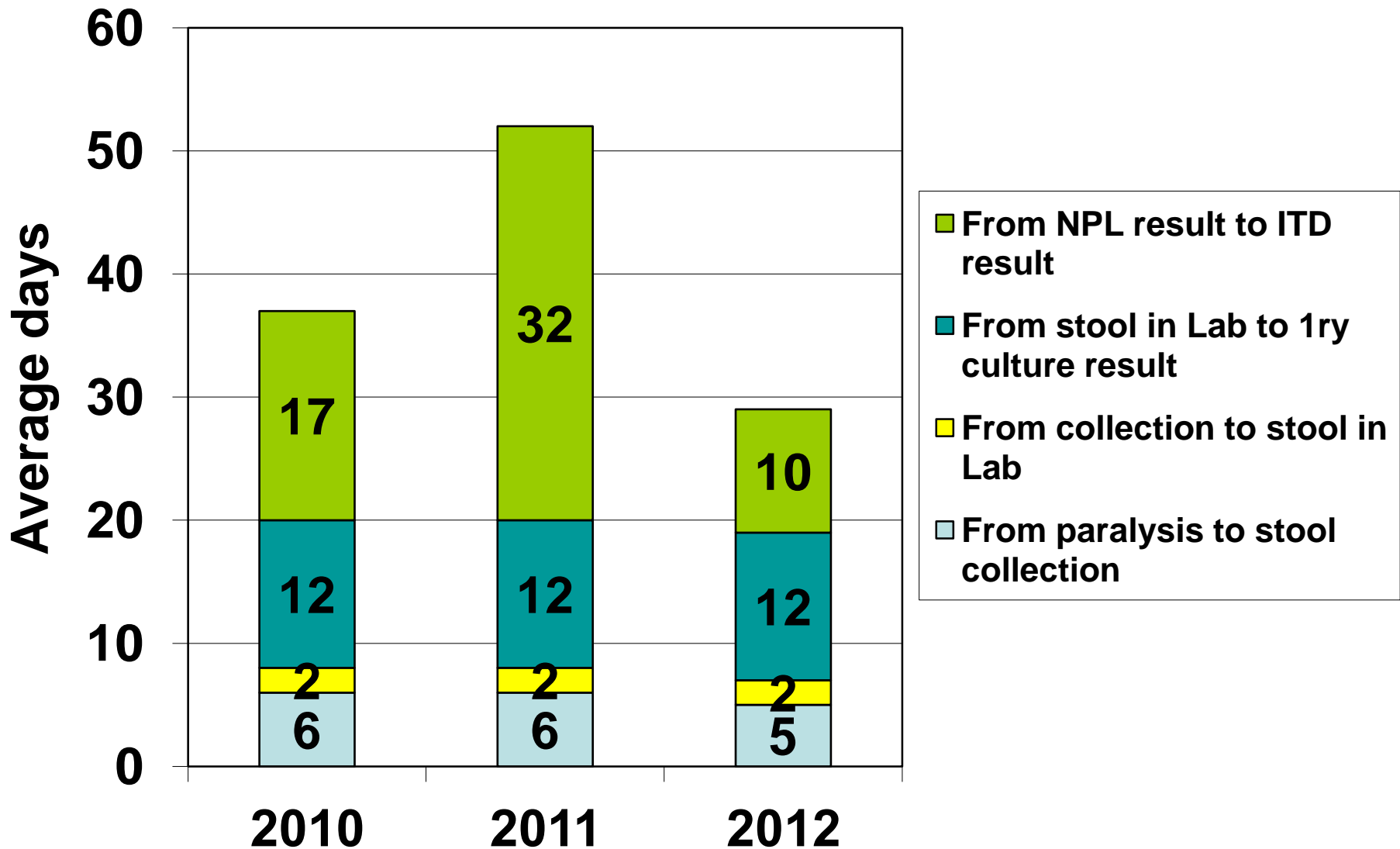
Table 2. National polio lab performance indicators 2010-2012 up to week 19

Indicator	2010	2011	2012
AFP cases with samples tested in NPL	153	126	169
Cases with wild polioviruses	0	0	0
Cases with non-polio enterovirus	11%	15%	18%
SL viruses No. & (%) from AFP cases	1(0.8%)	1(1%)	2(1.3%)
Median days from the time of samples received in the lab to primary culture report or L20B result	12 days	13 days	12days
Number of samples from the AFP contacts tested in the NPL	53	74	103
Contacts with non-polio enterovirus	5%	5.8%	15.5%
Sabin like viruses No. & (%) from contacts	0	4(7.7%)	1(1%)
Wild polioviruses from contacts	0	0	0

Table 3. Polio lab performance 2010 - 2012

Week of onset	Total AFP Cases with samples	AFP Cases under process	L20B +ve pending ITD	Negative cases	NPEV positive	% NPEV	Result reported within 14 days	Arrival within 3 days of being collected from the 2 nd sample	Arrival within 3 days of being sent from the 2 nd sample
2010 up to week 19	153	22	0	116	15	11%	98%	87%	99%
2011 up to week 19	126	23	2	86	15	15%	75%	83%	100%
2012 up to week 19	169	13	2	128	26	17.8 %	96.4%	85%	99%

Fig. 16: AFP Specimens' median timeliness NPL 2010-2012*



*Up to week 19